NC/QC/WT/2023-24/YPD/C1

Date: 04-04-2023

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Construction of Watch Tower in NES Circle of Yelahanka sub division.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . G S Vinod, (M/s Inner Space).

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**173 min**	Shall not be less than 30 min
2	Final setting time	**267 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.03 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**1.84 mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**28.89 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.
Watch Tower in NES Circle

Asst. Executive Engineer
Project Division

NEWZEN CONSULTANT ★ Bangalore ★

NC/QC/WT/2023-24/YPD /PCC1 **Date: 04-04-2023**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Construction of Watch Tower in NES Circle of Yelahanka sub division.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . G S Vinod, (M/s Inner Space).

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**100.00**	85-100	90 – 100
20mm	**62.40**	0 -20	30- 70
10mm	**29.60**	0 -5	10- 35
4.75mm	**3.10**	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	**98.00**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**79.40**	60-95	75-100	85-100	
01.18	**63.70**	30-70	55-90	75-100	
600.mic	**50.60**	15-34	35-59	60-79	
300.mic	**21.60**	5-20	8-30	12-40	
150.mic	**8.20**	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.
Watch Tower in NES Circle

Asst. Executive Engineer
Yelahanka Division
BBMP, Bangalore - 63

NEWZEN CONSULTANT ★ Bangalore ★

NC/QC/WT/2023-24/YPD/CE1 **Date: 10-04-2023**

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Construction of Watch Tower in NES Circle of Yelahanka sub division.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . G S Vinod, (M/s Inner Space).

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**176 min**	Shall not be less than 30 min
2	Final setting time	**249 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**1.64 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.03 mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**28.40 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.
Watch Tower in NES Circle

Asst. Executive Engineer

NEWZEN CONSULTANT Bangalore

NC/QC/WT/2023-24/YPD/FA1

Date: 10-04-2023

1. TESTING OF FINE AGGREGATES :

Sub: Testing of Fine Aggregates.
{Project*: Construction of Watch Tower in NES Circle of Yelahanka sub division.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . G S Vinod, (M/s Inner Space).

TABLE - 1.1 : SIEVE ANALYSIS :

IS Sieve Size,mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -II	
04.75	**96.10**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**83.40**	60-95	75-100	85-100	
01.18	**71.10**	30-70	55-90	75-100	
600. mic	**54.70**	15.34	35-59	60-79	
300.mic	**19.30**	5-20	8-30	12-40	
150.mic	**5.70**	0-10	0-10	0-10	

TABLE 1.2 ;

Sl No	Test Conducted	Sample	Results	**Requirements** as Per IS. Specification IS :383-1970 (Reaffirmed 2002)
1	Bulking of Sand	001	**19.10 %**	-----
2	Silt Content	----	**0.68 %**	Not more than 8%
3	Specific Gravity	----	**2.61**	-------

The result of the materials tested meets the standards and hence can be used for the work.
Watch Tower in NES Circle

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

NEWZEN CONSULTANT ★ Bangalore ★

NC/QC/WT/2023-24/YPD/CA1 Date: 10-04-2023

1. TESTING OF COARSE AGGREGATES (20 mm):

Sub: Testing of Construction Materials.
{Project*: Construction of Watch Tower in NES Circle of Yelahanka sub division.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . G S Vinod, (M/s Inner Space).

Table - 1.1 : SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2002) % Passing	
	20 mm Sample	Single size	Graded
40 mm	100.00	100.00	100.00
20 mm	97.60	85-100	90 - 100
10 mm	52.90	0 - 20	25 - 55
4.75 mm	8.30	0 - 5	0 - 10

TABLE 1.2 :

SL No	Test conducted	Results	Requirements as per IS:383-1970 & Tests Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2002)
1.	Flakiness Index	23.70 %	Not to exceed 25 %
2.	Crushing value	31.10 %	Not to exceed 45 % for concrete other than for wearing surfaces and 30% for concrete for wearing surfaces

The result of the materials tested meets the standards and hence can be used for the work.
Watch Tower in NES Circle

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

NEWZEN CONSULTANT Bangalore

NC/QC/WT/2023-24/YPD/SSM1

Date: 17-04-2023

1.TESTING OF STONE SAMPLE :

Sub: Testing of Size stone.

{Project* Construction of Watch Tower in NES Circle of Yelahanka sub division }

Ref. Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri . G S Vinod, (M/s Inner Space)

Technical Reference: IS 1121(Part 1) -1974 (R.A on 1998)

Table 1.1 :

SL No	Details of Tests	Observed Value	Normal Values
01	Compressive Strength	**1364.00** Kg/ Sqcm	Not less than 1000.00 Kg/Sqcm
02	Water absorption,%	**0.44 %**	Not more than 2.0 %

The result of the materials tested meets the standards and hence can be used for the work Watch Tower in NES Circle

Assistant Executive Engineer,
Project Division
Yelahanka Zone
BBMP, Bangalore - 92.

NEWZEN CONSULTANT Bangalore

NEWZEN CONSULTANT BANGALORE, #304, First floor, 6th Cross,Gidadakonenahalli, Viswaneedam Post,
Bangalore-560091. CELL NO: +91 8792620231, 080 23240187 EMAIL:newzen576@gmail.com

Date: 17-04-2023

NC/QC/WT/2023-24/YPD/S1

1. TEST REPORT ON REINFORCEMENT STEEL:

Sub: Testing of Reinforcement Steel of diameter 8,12,16 and 20 mm **TMT Steel.**
{Project*: Construction of Watch Tower in NES Circle of Yelahanka sub division.}
Ref.. Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . G S Vinod, (M/s Inner Space).

TABLE – 1

SL No	Details	For 08 mm		For 12 mm	
		Test Results	Min Req. as per IS 1786-2008	**Test Results**	Min Req. as per IS 1786-2008
01	Observed diameter of bar	**8.0 mm**	8.0 mm	**12.0mm**	12.0mm
02	Observed Wt/m Length **Kg/m**	**0.392**	0.363	**0.895**	0.834
03	Proof stress/Yield stress, fy , **N/mm^2**	**514.0**	500.0	**524.0**	500.0
04	Bend/ Re bend Test	**Ok**	---	**Ok**	---
05	Percentage of Elongation, %	**22.70**	12.00	**21.40**	12.00
06	Ultimate Tensile Strength **N/mm^2**	**634.0**	545.0	**639.0**	545.0

The result of the materials tested meets the standards and hence can be used for the work.
Watch Tower in NES Circle

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

NEWZEN CONSULTANT Bangalore

NC/QC/WT/2023-24/YPD/S1 Date: 17-04-2023

1. TEST REPORT ON REINFORCEMENT STEEL:

Sub: Testing of Reinforcement Steel of diameter 8,12,16 and 20 mm **TMT Steel.**
{Project*: Construction of Watch Tower in NES Circle of Yelahanka sub division.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . G S Vinod, (M/s Inner Space).

TABLE – 1

Details	For 08 mm		For 12 mm	
	Test Results	Min Req. as per IS 1786-2008	**Test Results**	Min Req. as per IS 1786-2008
Observed diameter of bar	**8.0 mm**	8.0 mm	**12.0mm**	12.0mm
Observed Wt/m Length **Kg/m**	**0.392**	0.363	**0.895**	0.834
Proof stress/Yield stress, fy , **N/mm^2**	**514.0**	500.0	**524.0**	500.0
Bend/ Re bend Test	**Ok**	---	**Ok**	---
Percentage of Elongation, %	**22.70**	12.00	**21.40**	12.00
Ultimate Tensile Strength **N/mm^2**	**634.0**	545.0	**639.0**	545.0

The result of the materials tested meets the standards and hence can be used for the work.
Watch Tower in NES Circle

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

NEWZEN CONSULTANT Bangalore

TABLE –2

SL No	Details	For 16 mm		For 20 mm	
		Test Results	Min Req. as per IS 1786-2008	**Test Results**	Min Req. as per IS 1786-2008
01	Observed diameter of bar	**16.0 mm**	16.0 mm	**20.0mm**	20.0mm
02	Observed Wt/m Length **Kg/m**	**1.588**	1.483	**2.478**	2.366
03	Proof stress/Yield stress, fy , **N/mm^2**	**538.0**	500.0	**541.0**	500.0
04	Bend/ Re bend Test	**Ok**	---	**Ok**	---
05	Percentage of Elongation, %	**22.20**	12.00	**20.90**	12.00
06	Ultimate Tensile Strength **N/mm^2**	**654.0**	545.0	**649.0**	545.0

The result of the materials tested meets the standards and hence can be used for the work.
Watch Tower in NES Circle

Asst. Executive Engineer,
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

NEWZEN CONSULTANT ★ Bangalore ★

NC/QC/WT/2023-24/YPD/CBA

Date: 10-07-2023

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Construction of Watch Tower in NES Circle of Yelahanka sub division.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . G S Vinod, (M/s Inner Space).

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	03-07-23	10-07-23	07	22500	320	14.22	**13.85**
	002	"	"	"	"	315	14.00	
	003	"	"	"	"	300	13.33	

The result of the materials tested meets the standards and hence can be used for the work.
Watch Tower in NES Circle

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 5

NEWZEN CONSULTANT Bangalore

NC/QC/WT/2023-24/YPD/CBAA

Date: 31-07-2023

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Construction of Watch Tower in NES Circle of Yelahanka sub division.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . G S Vinod, (M/s Inner Space).

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	03-07-23	31-07-23	28	22500	430	19.11	**18.81**
	002	‘’	“	‘’	“	415	18.44	
	003	‘’	“	‘’	“	425	18.89	

The result of the materials tested meets the standards and hence can be used for the work.
Watch Tower in NES Circle

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

NEWZEN CONSULTANT ★ Bangalore ★

NC/QC/WT/2023-24/YPD/CBB

Date: 10-07-2023

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Construction of Watch Tower in NES Circle of Yelahanka sub division.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . G S Vinod, (M/s Inner Space).

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	03-07-23	10-07-23	07	22500	300	13.33	**13.26**
	002	‘’	“	‘’	“	290	12.89	
	003	‘’	“	‘’	“	305	13.56	

The result of the materials tested meets the standards and hence can be used for the work Watch Tower in NES Circle

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

NEWZEN CONSULTANT ★ Bangalore ★

NC/QC/WT/2023-24/YPD/CBBA

Date: 31-07-2023

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Construction of Watch Tower in NES Circle of Yelahanka sub division.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . G S Vinod, (M/s Inner Space).

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	03-07-23	31-07-23	28	22500	405	18.00	**18.52**
	002	"	"	"	"	415	18.44	
	003	"	"	"	"	430	19.11	

The result of the materials tested meets the standards and hence can be used for the work.
Watch Tower in NES Circle

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

NEWZEN CONSULTANT Bangalore

NC/QC/WT/2023-24/YPD/SB1 **Date: 18-07-2023**

1. TEST REPORT ON PRE –CAST SOLID BLOCKS:

Sub: Testing of Pre-Cast Solid Block- Compressive strength.
{Project*: Construction of Watch Tower in NES Circle of Yelahanka sub division.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . G S Vinod, (M/s Inner Space).

RESULTS OF COMPRESSIVE STRENGTH ON PRE CAST(Solid Blocks)

BLOCK SPECIMENS

TABLE 1. 1:

Sl No.	Dimensions of Specimen **mm**	Details	Cross Sectional Area **mm^2**	Maximum Load in **KN**	Compressive Strength **N/ mm^2**	**Average Compressive Strength N/ mm^2**
1	400 X 200 X 200	**Solid**	80000	355	4.44	
2	,,	,,	80000	365	4.56	**4.44**
3	,,	,,	80000	345	4.31	

The result of the materials tested meets the standards and hence can be used for the work.
Watch Tower in NES Circle

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

NEWZEN CONSULTANT ★ Bangalore ★

NC/QC/WT/2023-24/YPD/CB1 Date: 05-05-2023

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Construction of Watch Tower in NES Circle of Yelahanka sub division.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . G S Vinod, (M/s Inner Space).

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{25}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	28-04-23	05-05-23	07	22500	470	20.89	**20.96**
	002	"	"	"	"	465	20.67	
	003	"	"	"	"	480	21.33	

The result of the materials tested meets the standards and hence can be used for the work.
Watch Tower in NES Circle

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

NEWZEN CONSULTANT Bangalore

NC/QC/WT/2023-24/YPD/CB1A **Date: 26-05-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Construction of Watch Tower in NES Circle of Yelahanka sub division.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . G S Vinod, (M/s Inner Space).

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{25}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	28-04-23	26-05-23	28	22500	600	26.67	**27.26**
	002	"	"	"	"	625	27.78	
	003	"	"	"	"	615	27.33	

The result of the materials tested meets the standards and hence can be used for the work.
Watch Tower in NES Circle

Asst. Executive Engineer
Project
Yelahanka Zone
BBMP, Bangalore - 92

NEWZEN CONSULTANT Bangalore

NC/QC/WT/2023-24/YPD/CB2 **Date: 01-06-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Construction of Watch Tower in NES Circle of Yelahanka sub division.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . G S Vinod, (M/s Inner Space).

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{25}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	25-05-23	01-06-23	07	22500	465	20.67	**20.67**
	002	"	"	"	"	455	20.22	
	003	"	"	"	"	475	21.11	

The result of the materials tested meets the standards and hence can be used for the work.
Watch Tower in NES Circle

Asst. Executive Engineer
Project
Yelahanka Division
BBMP, Bangalore - 93

NEWZEN CONSULTANT Bangalore

NC/QC/WT/2023-24/YPD/CB2A **Date: 22-06-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Construction of Watch Tower in NES Circle of Yelahanka sub division.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . G S Vinod, (M/s Inner Space).

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{25}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	25-05-23	22-06-23	28	22500	585	26.00	**26.67**
	002	‘’	“	‘’	“	605	26.89	
	003	‘’	“	‘’	“	610	27.11	

The result of the materials tested meets the standards and hence can be used for the work.
Watch Tower in NES Circle

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

NEWZEN CONSULTANT Bangalore

NC/QC/WT/2023-24/YPD/CB3 **Date: 26-06-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Construction of Watch Tower in NES Circle of Yelahanka sub division.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . G S Vinod, (M/s Inner Space).

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{25}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	19-06-23	26-06-23	07	22500	475	21.11	**20.52**
	002	‘’	“	‘’	“	450	20.00	
	003	‘’	“	‘’	“	460	20.44	

The result of the materials tested meets the standards and hence can be used for the work.
Watch Tower in NES Circle

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

NEWZEN CONSULTANT ★ Bangalore ★

NC/QC/WT/2023-24/YPD/CB3A **Date: 17-07-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Construction of Watch Tower in NES Circle of Yelahanka sub division.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . G S Vinod, (M/s Inner Space).

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{25}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	19-06-23	17-07-23	28	22500	620	27.56	**26.89**
	002	"	"	"	"	595	26.44	
	003	"	"	"	"	600	26.67	

The result of the materials tested meets the standards and hence can be used for the work.
Watch Tower in NES Circle

Asst. Executive Engineer
Yelahanka Project Division
BBMP, Bangalore - 93

NEWZEN CONSULTANT Bangalore

NC/QC/WT/2023-24/YPD/CB4 **Date: 19-07-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Construction of Watch Tower in NES Circle of Yelahanka sub division.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . G S Vinod, (M/s Inner Space).

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{25}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	12-07-23	19-07-23	07	22500	480	21.33	**20.89**
	002	‘’	“	‘’	“	465	20.67	
	003	‘’	“	‘’	“	465	20.67	

The result of the materials tested meets the standards and hence can be used for the work.
Watch Tower in NES Circle

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

NEWZEN CONSULTANT Bangalore

NC/QC/WT/2023-24/YPD/CB4A **Date: 09-08-2023**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Construction of Watch Tower in NES Circle of Yelahanka sub division.}
Ref.: Material testing/PMC/22-23,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri . G S Vinod, (M/s Inner Space).

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{25}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	12-07-23	09-08-23	28	22500	605	26.89	**27.48**
	002	‘’	“	‘’	“	630	28.00	
	003	‘’	“	‘’	“	620	27.56	

The result of the materials tested meets the standards and hence can be used for the work.
Watch Tower in NES Circle

Asst. Executive Engineer
Project ...
Yelahanka Zone
BBMP, Bangalore - 92

NEWZEN CONSULTANT Bangalore